

### **REMARKS**

Claims 1-7 are pending in the present application. Claims 1-7 are rejected. Claim 1 is herein amended. No new matter is believed to have been entered through the claim amendment. Further, upon belief, it is respectfully submitted that this paper is fully responsive to the outstanding Office Action.

### **Objections to the Drawings**

The Examiner asserts that Figures 2 and 3 should be designated "Prior Art". The Drawings are herein amended as appropriate. It is respectfully requested that the objection be withdrawn.

### **Claim Rejections - 35 U.S.C. §102**

**Claims 1, 3-4 and 7 were rejected under 35 U.S.C. §102(b) as being anticipated by Mizukami et al (US 5,956,098).**

The rejection is respectfully traversed.

Claim 1 is herein amended to recited, "a filter for selecting and separating only a desired wave, the filter being provided between the frequency converter circuit and the analog/digital switching means; and gain control switching means for controlling gain of the high frequency amplifier 9 in accordance with a gain control signal obtained from the analog demodulator 5 during an analog broadcast reception, while controlling gain of the high frequency amplifier 9 in accordance with a gain control signal produced from the output signal from the frequency

converter circuit without allowing the output signal to pass through the filter during a digital broadcast reception.” It is respectfully submitted that the cited art fails to describe at least the aforementioned recitations of claim 1 of the present application.

Mizukami discloses that an output signal from mixers 40, 70 corresponding to the frequency converter circuit passes through a bandpass filter consisting of a SAW filter to extract only a desired wave during a digital broadcast reception (Mizukami; Fig. 7, column 4, lines 22-36). And a gain control signal is formed from the desired wave, and is supplied to a variable gain amplifier 30 by an AGC change-over switch 250 (Mizukami; column 5, lines 31-40).

Accordingly, an interference wave, which was contained in the output signal from the mixers 40, 70 is not contained in the gain control signal formed during the digital broadcast reception. So gain control is not performed based on the interference wave during the digital broadcast reception in Mizukami.

On the other hand, an analog/digital-compatible front-end module recited in claim 1 as amended comprises a filter for selecting and separating only the desired wave, but during the digital broadcast reception the gain control signal is formed from the output signal of the frequency converter circuit without allowing the output signal to pass through the filter.

As a result, the interference wave is contained in the gain control signal formed during the digital broadcast reception. So gain control is performed based on the interference wave during the digital broadcast reception.

As mentioned above, claim 1 as amended in the present application is different from Mizukami. Consequently, the Examiner cannot reject claims 1, 3, 4 and 7 under 35 U.S.C. §102 on the basis of Mizukami.

In view of the foregoing, it is respectfully submitted that the rejection is overcome.

**Claim Rejections - 35 U.S.C. §103**

**Claims 2 and 5-6 were rejected under 35 U.S.C. §103(a) as being unpatentable over Mizukami et al (US 5,956,098) in view of the admitted prior art (Fig. 2, pgs. 2-4 of the Specification).**

The rejection is respectfully traversed.

As mentioned above, claim 1 as amended in the present application is different from Mizukami. Furthermore, as claims 2, 5 and 6 depend either directly or indirectly from independent claim 1, the arguments presented above over Mizukami are applicable here where appropriate.

Further, it is respectfully submitted that the asserted references (Mizukami and Related Art), either alone or in combination, fail to teach or suggest at least the aforementioned recitations of claim 1 of the present application. Consequently, the Examiner cannot reject claims 2, 5 and 6 under 35 U.S.C. §103 on the basis of the references that the Examiner cited. Separate and individual consideration of the dependent claims is respectfully requested.

In view of the foregoing, it is respectfully submitted that the rejection is overcome.

Application No.: 10/553,739  
Art Unit: 2622

Amendment under 37 C.F.R. §1.111  
Attorney Docket No.: 052972

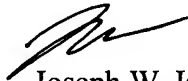
In view of the aforementioned amendments and accompanying remarks, Applicant submits that the claims, as herein amended, are in condition for allowance. Applicant requests such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney to arrange for an interview to expedite the disposition of this case.

If this paper is not timely filed, Applicant respectfully petitions for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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